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Job No.: CTCE/BBMP/W.No.07/MM/CEMENT/2014-15

Date: 15.07.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. Murali Mohan. Y.V**, Contractor, Bangalore.
NAME OF THE WORK	:	Providing Shredder in Ward No. 07, Byatarayanapura Sub Division, BBMP, Bangalore.
REFERENCE	:	AEE/BTP/(WO)/371/2014-15 Dated: 15.07.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	485 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	27.50 %	-

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Note:

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Job No.: CTCE/BBMP/W.No.07/MM/SAND/2014-15 : 15.07.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Murali Mohan. Y.V,** Contractor, Bangalore.

Name of Work : Providing Shredder in Ward No. 07, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : AEE/BTP/(WO)/371/2014-15 Dated: 15.07.2014

Date of Testing : 15.07.2014

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	103	5.15	5.15	94.9	90-100
2.36	227	11.35	16.50	83.5	75-100
1.18	506	25.30	41.80	58.2	55-90
600 Micron	417	20.85	62.65	37.4	35-59
300 Micron	498	24.90	87.55	12.5	8-30
150 Micron	205	10.25	97.80	2.2	0-10

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Job No.: CTCE/BBMP/W.No.07/MM/AGG/2014-15 : 15.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Murali Mohan. Y.V,** Contractor, Bangalore.

Name of Work : Providing Shredder in Ward No. 07, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : AEE/BTP/(WO)/371/2014-15 Dated: 15.07.2014

Date of Testing : 15.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **25500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	958	3.76	3.76	96.24	95-100
20	15548	60.97	64.73	35.27	30-70
10	5987	23.48	88.21	11.79	10-35
4.75	2582	10.13	98.33	1.67	0-5

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Job No.: CTCE/BBMP/W.No.07/MM/STEEL/2014-15 15.07.2014

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	:	**Mr. Murali Mohan. Y.V,** Contractor, Bangalore.
Name of the work	:	Providing Shredder in Ward No. 07, Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	:	AEE/BTP/(WO)/371/2014-15 Dated: 15.07.2014
Date of Test	:	15.07.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	10	0.62	514	557	13.25	O.K	O.K

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Job No.: CTCE/BBMP/W.No.07/MM/CUBE/2014-15 15.08.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive** Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Murali Mohan. Y.V,** Contractor, Bangalore.

Name of the work : Providing Shredder in Ward No. 07, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : AEE/BTP/(WO)/371/2014-15 Dated: 15.07.2014

Sample ID : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.07.2014	15.08.2014	8.162	490.6	21.80
2	18.07.2014	15.08.2014	8.394	522.4	23.22
3	18.07.2014	15.08.2014	8.275	506.9	22.53

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